## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	_/0/580./3/
Source:	IFWD.
Date Processed by STIC:	5/31/06
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## ENTERED



**IFWO** 

RAW SEQUENCE LISTING DATE: 05/31/2006
PATENT APPLICATION: US/10/580,131 TIME: 13:56:40

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Output Set: N:\CRF4\05312006\J580131.raw

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USE
     7 <130> FILE REFERENCE: EX04-072C-PC
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/580,131
C--> 9 <141> CURRENT FILING DATE: 2006-05-19
     9 <150> PRIOR APPLICATION NUMBER: US 60/524,587
     10 <151> PRIOR FILING DATE: 2003-11-24
     12 <160> NUMBER OF SEQ ID NOS: 6
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1740

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Output Set: N:\CRF4\05312006\J580131.raw

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Input Set: E:\05-1037-A5 sequence listing.txt
Output Set: N:\CRF4\05312006\J580131.raw

365 qtcqcctgga gcggcggttt agagagccga gcctgatqqq cgccaaggcc ggctggctgc 120 367 ttqqaqcqct gcctcqaaqq gactqcqtaa qqaaqctaat ccqqaqaacc caqqccaqaq 180 369 cctgaaatat ggcgacctgc atcggggaga agatcgagga ttttaaagtt ggaaatctgc 240 300 371 ttggtaaagg atcatttgct ggtgtctaca gagctgagtc cattcacagt ggtttggaag 373 ttgcaatcaa aatgatagat aagaaagcca tgtacaaagc aggaatggta cagagagtcc 360 375 aaaatgaggt gaaaatacat tgccaattga aacatccttc tatcttggag ctttataact 420 377 attttgaaga tagcaattat gtgtatctgg tattagaaat gtgccataat ggaggaatgat 480 379 acaggtatet aaagaataga gtgaaaceet teteagaaaa tgaagetega caetteatge 540 381 accapateat cacagggatg ttgtatette atteteatgg tatactacae egggacetea 600 383 cactttctaa cctcctactg actcgtaata tgaacatcaa gattgctgat tttgggctgg 660 720 385 caactcaact gaaaatgcca catgaaaagc actatacatt atgtggaact cctaactaca 387 tttcaccaga aattgccact cgaagtgcac atggccttga atctgatgtt tggtccctgg 780 389 gctgtatgtt ttatacatta cttatcggga gaccaccctt cgacactgac acagtcaaga 840 900 391 acacattaaa taaagtagta ttggcagatt atgaaatgcc aacttttttg tcaatagagg 393 ccaaggacct tattcaccag ttacttcgta gaaatccagc agatcgttta agtctgtctt 960 395 cagtattgga ccatcctttt atgtcccgaa attcttcaac aaaaagtaaa gatttaggaa 1020 1080 397 ctgtggaaga ctcaattgat agtgggcatg ccacaatttc tactgcaatt acagcttctt 399 ccagtaccag tataagtggt agtttatttg acaaaagaag acttttgatt ggtcagccac 1140 401 topcaka a aatqactgta tittgcaaaga ataaaagtto aactgatttt tottgttčag 1200 \*\* 403 gagatggaaa cagttittat actcagtggg gaaatcaaga aaccagtaat agtggaaggg 1260 405 gaagagtaat tcaagatgca gaagaaaggc cacattctcg ataccttcgt agagcttatt 1320 1380 407 cctctgatag atctggcact tctaatagac agtctcaagc aaaaacatat acaatggaac 409 gatqtcactc aqcaqaaatq ctttcaqtqt ccaaaaqatc aggaggaggt gaaaatgaag 1440 411 aqaqqtactc acccacagac aacaatgcca acatttttaa cttctttaaa gaaaagacat 1500 413 ccagtagttc tggatctttt gaaagacctg ataacaatca agcactctcc aatcatcttt 1560 415 gtccaggaaa aactcctttt ccatttgcag acccgacacc tcagactgaa accgtacaac 1620 417 aqtqqtttqq qaatctgcaa ataaatqctc atttaaqaaa aactactgaa tatgacagca 1680 419 tcagcccaaa ccgggacttc cagggccatc cagatttgca gaaggacaca tcaaaaaaatg 1740 421 cctggactga tacaaaagtc aaaaagaact ctgatgcttc tgataatgca cattctgtaa 1800 423 aacagcaaaa taccatgaaa tatatgactg cacttcacag taaacctgag ataatccaac 1860 1920 425 aagaatgtgt ttttggctca gatcctcttt ctgaacagag caagactagg ggtatggagc 427 caccatgggg ttatcagaat cgtacattaa gaagcattac atctccgttg gttgctcaca 1980 429 ggttaaaacc aatcagacag aaaaccaaaa aggctgtggt gagcatactt gattcagagg 2040 431 aggtgtgtgt ggagettgta aaggagtatg cateteaaga atatgtgaaa gaagttette 2100 433 agatatetag tgatggaaat acgateacta tttattatee aaatggtggt agaggtttte 2160 435 ctcttgctga tagaccaccc tcacctactg acaacatcag taggtacagc tttgacaatt 2220 437 taccagaaaa atactggcga aaatatcaat atgcttccag gtttgtacag cttctaagat 2280 2340 439 ctaaatctcc caaaatcact tattttacaa gatatgctaa atgcattttg atggagaatt 441 ctcctggtgc tgattttgag gtttggtttt atgatggggt aaaaatacac aaaacagaag 2400 2460 443 atttcattca ggtgattgaa aagacaggga agtcttacac tttaaaaagt gaaagtgaag 445 ttaatagctt gaaagaggag ataaaaatgt atatggacca tgctaatgag ggtcatcgta 2520 2580 447 tttgtttagc actggaatcc ataatttcag aaqaggaaag gaaaactagg agtgctccct 449 ttttcccaat aatcatagga agaaaacctg gtagtactag ttcacctaag gccttatcac 2640 451 ctcctccttc tgtggattca aattacccaa cgagagatag agcatctttc aacagaatgg 2700 453 tcatgcatag tgatgcttct ccaacacagg caccaatcct taatccctct atggttacaa 2760 2820 455 atgaaggact tggtcttaca actacagctt ctggaacaga catctcttct aatagtctaa 457 aagattgtct tcctaaatca gcacaacttt tgaaatctgt ttttgtgaaa aatgttggtt 2880 459 gggctacaca gttaactagt ggagctgtgt gggttcagtt taatgatggg tcccagttgg 2940 461 ttgtgcaqqc aqqagtgtct tctatcagtt atacctcacc aaatggtcaa acaactaggt 3000

VERIFICATION SUMMARY

DATE: 05/31/2006

PATENT APPLICATION: US/10/580,131

TIME: 13:56:41

Input Set : E:\05-1037-A5 sequence listing.txt

Output Set: N:\CRF4\05312006\J580131.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

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L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date